

**DESKTOP ANALYSIS OF
PROPOSED POND ALTERNATIVES FOR THE
STATE ROAD 87 CONNECTOR,
SANTA ROSA COUNTY, FLORIDA**

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CLIENT:	Florida Department of Transportation, District 3
DATE:	December 2015
FINANCIAL MANAGEMENT NO.:	416748-3

In December 2015, SEARCH completed a desktop analysis of proposed pond alternatives in support of the State Road (SR) 87 Connector in Santa Rosa County, Florida. The present desktop analysis was conducted with the purpose of identifying cultural resource potential and previously recorded historic properties that are listed, or may be eligible for listing, in the National Register of Historic Places (NRHP).

The Florida Master Site File (FMSF) database was reviewed for any previous surveys or previously recorded resources (**Figure 1**). Archaeological site probability was based on soil drainage (**Figure 2**), distance to water, and prior disturbance. In addition, the Santa Rosa County Property Appraiser database, historic maps, and aerial photographs were reviewed to determine if structures constructed prior to 1972 are located in the vicinity of the proposed ponds. For the purposes of this desktop analysis, the Area of Potential Effect (APE) for each pond alternative was defined as the proposed footprint in addition to a 100-foot buffer.

A review of the FMSF database indicates that five previous cultural resource surveys have been conducted within a half-mile of the SR 87 Connector Ponds APE (**Table 1**). However, none of these previous surveys involved systematic testing of the current pond alternatives. The FMSF review also indicates that 10 historic structures, one cemetery, three resource groups, and four archaeological sites are located within a half-mile of the APE (**Table 2**; see **Figure 1**). Of these, only Resource Group 8SR02126 (the Bagdad Lumber Company Railroad) intersects the 100-foot buffer of Ponds 2-2, 2-3, and 3-1. The resource group was determined ineligible for NRHP listing by State Historic Preservation Officer (SHPO) in January 2012.

Table 1. Previous Cultural Resource Assessment Surveys within a Half-Mile of the SR 87 Connector Ponds APE.

FMSF No.	Title	Year	Reference
2974	Phase III Archaeological Survey of the Blackwater River Drainage	1991	University of West Florida
3233	A Cultural Resource Assessment Survey of SR 87 from End of Four Lane North of Milton to the Clear Creek Bridge, Santa Rosa County, Florida	1992	ACI
5402	An Architectural Inventory, Naval Air Station Whiting Field, Milton, Florida	1994	US Army Corps of Engineers
19170	Cultural Resource Assessment Survey SR 87S / SR87N - Connector / New Alignment SR 87 - Expansion; Financial Project Identification Numbers: 416748-3 and 416748-4 Santa Rosa County, Florida	2011	ACI
21493	Phase I Archaeological Survey of Naval Air Station Whiting Field Santa Rosa County, Florida	2014	URS Consultants, Inc.

Table 2. Previously Recorded Cultural Resources within a Half-Mile of the SR 87 Connector Ponds APE.

<i>Historic Structures</i>				
FMSF No.	Address	Year Built	Surveyor Evaluation	SHPO Evaluation
8SR01105	West side of Highway 87	ca. 1900	Ineligible for NRHP	Ineligible for NRHP
8SR01106	West side of Highway 87	ca. 1900	Ineligible for NRHP	Not Evaluated
8SR01205	East side of Highway 87	ca. 1935	Ineligible for NRHP	Ineligible for NRHP
8SR01206	East side of Highway 87	ca. 1920	Ineligible for NRHP	Ineligible for NRHP
8SR01207	East side of Highway 87	ca. 1940	Ineligible for NRHP	Ineligible for NRHP
8SR01208	West side of Highway 87	ca. 1935	Ineligible for NRHP	Ineligible for NRHP
8SR02130	6475 Munson Highway	ca. 1960	Ineligible for NRHP	Ineligible for NRHP
8SR02135	6886 Highway 89	ca. 1950	Ineligible for NRHP	Ineligible for NRHP
8SR02137	6376 Munson Highway	ca. 1962	Ineligible for NRHP	Ineligible for NRHP
8SR02139	6883 Highway 89	1958	Ineligible for NRHP	Ineligible for NRHP
<i>Archaeological Sites</i>				
FMSF No.	Name	Time Period	Surveyor Evaluation	SHPO Evaluation
8SR00736	Cotton's Mill	1783–present	Eligible for NRHP	Not Evaluated
8SR00738	Morton Brick Kilns	1821–45	Likely Eligible for NRHP	Not Evaluated
8SR00928	BW3-E	Unknown Prehistoric	Ineligible for NRHP	Not Evaluated
8SR01202	Fire Break	1821–1899, 1900–present	Ineligible for NRHP	Ineligible for NRHP
<i>Cemeteries</i>				
FMSF No.	Name	Year Established	Condition	SHPO Evaluation
8SR2592	Morton Cemetery	ca. 1840+	Unspecific	Not Evaluated
<i>Resource Groups</i>				
FMSF No.	Name	Period of Significance		SHPO Evaluation
8SR01313	Florida State Road No. 1	Boom Times, 1921–1929, Twentieth century American, 1900–present		Eligible for NRHP
8SR02125	Louisville & Nashville (L&N) Railroad	Unknown		Ineligible for NRHP
8SR02126	Bagdad Lumber Co. Railroad	1914–1939		Ineligible for NRHP
8SR01313	Florida State Road No. 1	Boom Times, 1921–1929, Twentieth century American, 1900–present		Eligible for NRHP

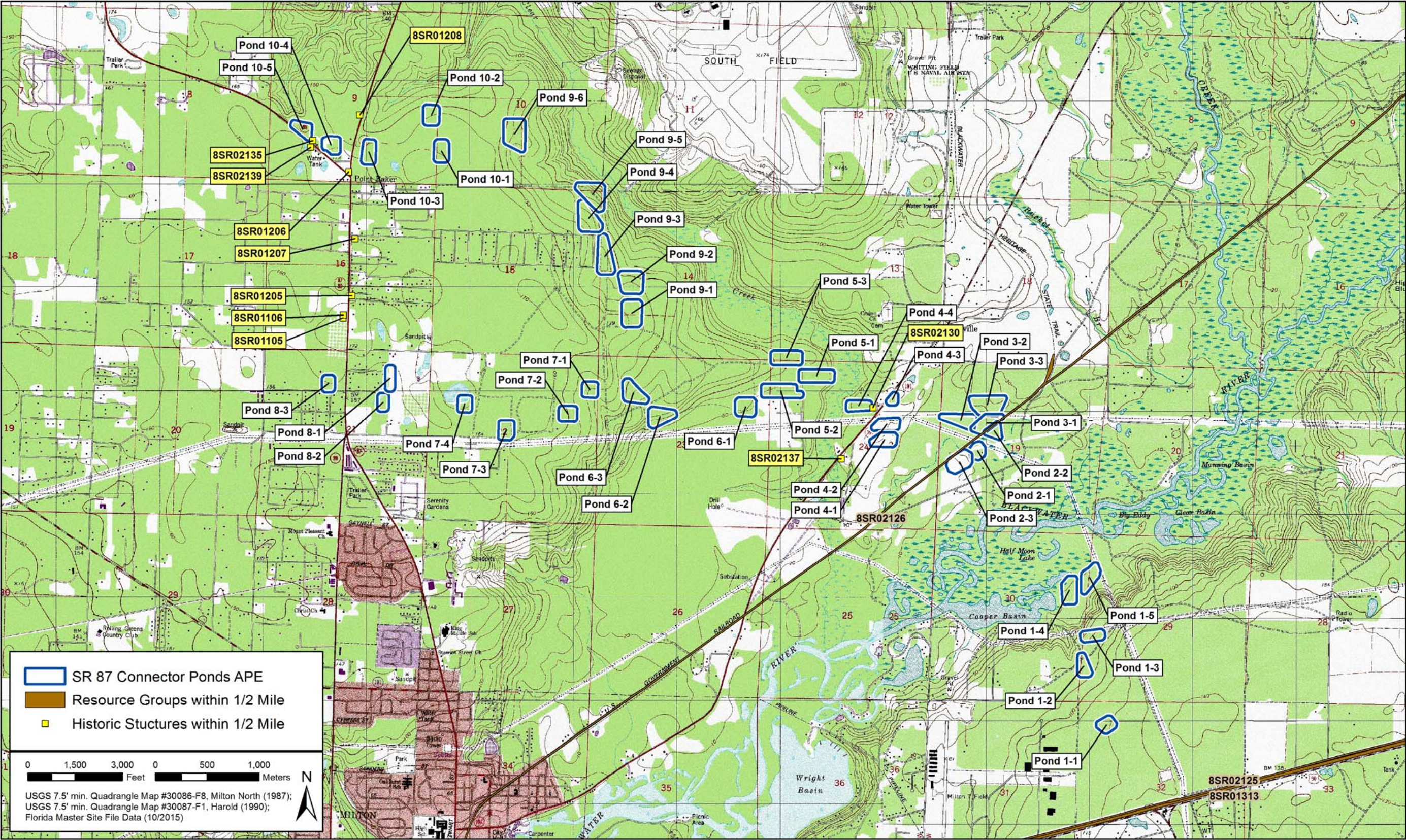


Figure 1. Previously recorded resources within a half-mile of the SR 87 Connector Ponds alternatives.

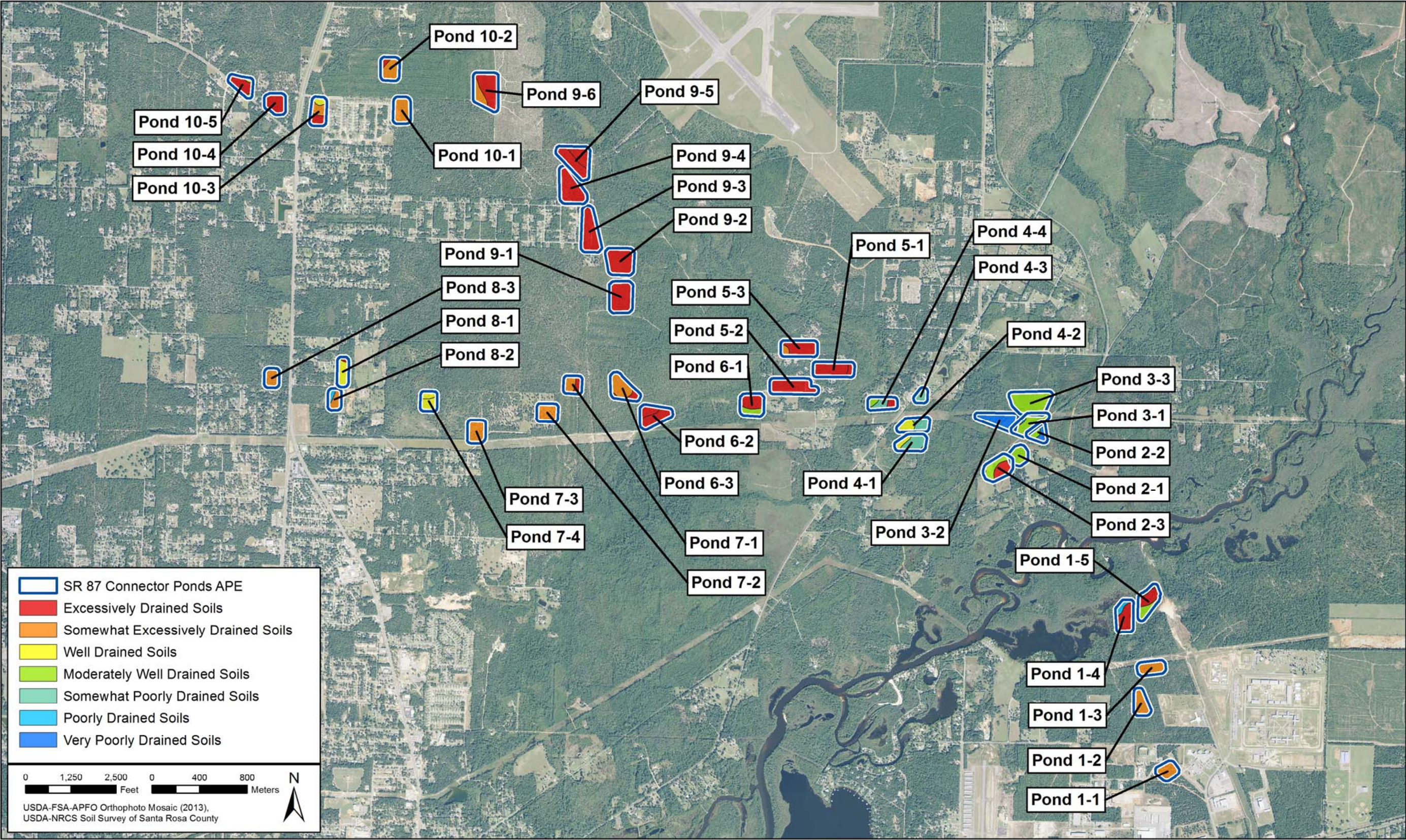


Figure 2. Soil drainage within the SR 87 Connector Ponds alternatives.

UNRECORDED HISTORIC RESOURCES

The Santa Rosa County Property Appraiser's database (Santa Rosa County n.d.) indicates that eight of the pond APEs intersect parcels containing pre-1972 buildings (**Table 3; Figure 3**).

Table 3. Parcels Containing Pre-1972 Unrecorded Historic Resources Adjacent or Within the SR 87 Connector Ponds APE.

Parcel ID	Address	Year Built	Pond
19-2N-27-0000-00400-0000	6224 Pat Brown Road	1945	2-1, 2-3
24-2N-28-0000-02400-0000	6376 Munson Highway	1962	4-1
24-2N-28-0000-00500-0000	6530 Munson Highway	1962	4-3
24-2N-28-0000-01100-0000	6521 Munson Highway	1948	4-3
24-2N-28-0000-01200-0000	7646 Lawler Lane	1957	4-4
24-2N-28-0000-01400-0000	6475 Munson Highway	1960	4-4
24-2N-28-0000-02500-0000	6377 Munson Highway	1962	4-4
24-2N-28-0000-02003-0000	7434 Earl Cooley Road	1967	5-2
21-2N-28-1270-00200-0070	6444 Aspen Street	1960	8-3
21-2N-28-1270-00300-0070	6444 Sycamore Street	1966	8-3
09-2N-28-0000-00700-0000	6878 Highway 89	1955	10-4
09-2N-28-0000-00600-0000	6862 Highway 89 North	1955	10-4

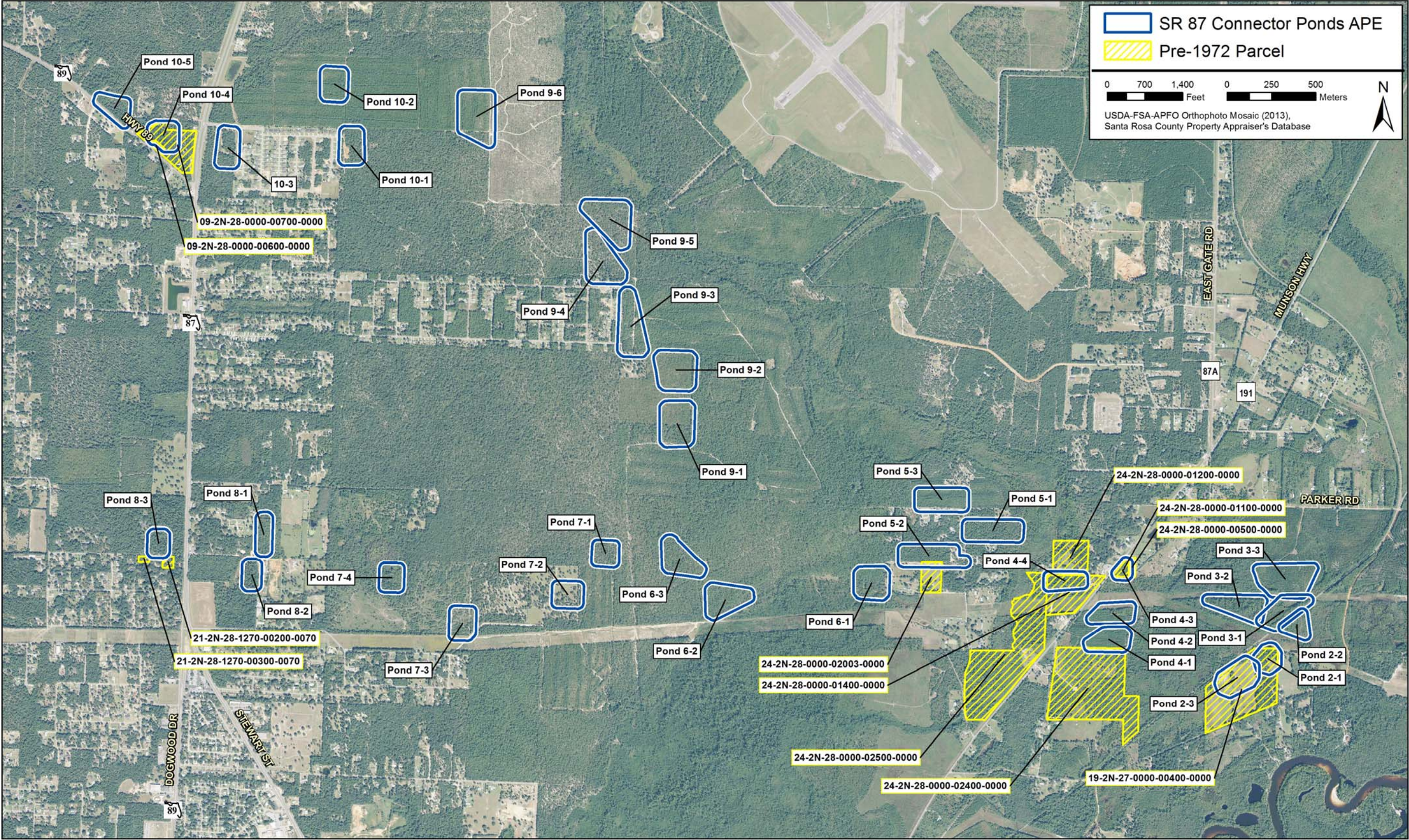


Figure 3. Parcels containing pre-1972 unrecorded historic resources in the vicinity of the SR 87 Connector Ponds alternatives.

CULTURAL RESOURCES MATRIX

Information regarding soil drainage characteristics, proximity to water, and previously recorded resources was examined in order to assess the archaeological potential of the pond alternatives. None of the pond locations are considered high probability. Fourteen locations are considered moderate probability due to well-drained soils, flat topography, distance to fresh water, and archaeological sites within a half-mile. The remaining sites all have a low probability for archaeological sites. The cultural resources probability for the pond alternatives is summarized in **Table 4**.

Table 4. SR 87 Connector Ponds Cultural Resources Matrix.

Pond	Archaeological Probability	Unrecorded Historic Resources?
1-1	Low	No
1-2	Moderate	No
1-3	Moderate	No
1-4	High	No
1-5	High	No
2-1	Moderate	Yes
2-2	Low	No
2-3	Moderate	Yes
3-1	Low	No
3-2	Low	No
3-3	Low	No
4-1	Low	Yes
4-2	Low	No
4-3	Low	Yes
4-4	Moderate	Yes
5-1	High	No
5-2	Low	Yes
5-3	Moderate	No
6-1	Low	No
6-2	Low	No
6-3	Low	No
7-1	Low	No
7-2	Low	No
7-3	Low	No
7-4	Moderate	No
8-1	Moderate	No
8-2	Moderate	No
8-3	Low	Yes
9-1	Low	No
9-2	Low	No
9-3	Low	No
9-4	Moderate	No
9-5	High	No
9-6	Moderate	No
10-1	Low	No
10-2	Moderate	No

Table 4. SR 87 Connector Ponds Cultural Resources Matrix.

Pond	Archaeological Probability	Unrecorded Historic Resources?
10-3	Low	No
10-4	Low	Yes
10-5	Moderate	No

RECOMMENDATIONS

During the design phase, a cultural resource assessment, including archaeological and architectural history surveys, should be conducted. Unrecorded historic resources should be recorded and assessed. The APE also should be subjected to subsurface testing at intervals according to the probability of identifying archaeological material. The identified historic structures and archaeological sites, if any, should be assessed for their potential eligibility for listing in the NRHP. The results of this evaluation should then be reviewed by the Federal Highways Administration (FHWA) and the SHPO for their concurrence and possible comment.

REFERENCES CITED

Santa Rosa County

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US Geological Survey (USGS)

1987 *Milton, Fla.* 1:62500 scale topographic quadrangle. Electronic document, <http://ufdc.ufl.edu/mapfl>, accessed December 12, 2015.

1990 *Harold, Fla.* 1:62500 scale topographic quadrangle. Electronic document, <http://ufdc.ufl.edu/mapfl>, accessed December 12, 2015.